

## GeoInsight®

Environmental Strategy & Engineering  
*Practical in Nature*

September 24, 2008

GeoInsight Project 2491-001

Frank Gardner  
U.S. Environmental Protection Agency  
One Congress Street, Suite 1100-HBR  
Boston, Massachusetts 02114-2023

Wells E + H  
2.6

RE: Fifty-First Progress Report  
Administrative Order on Consent for Removal Action  
Wells G&H Superfund Site  
Olympia Nominee Trust Property  
60 Olympia Avenue  
Woburn, Massachusetts  
CERCLA Docket # 01-2004-0059

Dear Mr. Gardner:

GeoInsight, Inc. (GeoInsight) prepared this progress report to describe activities completed at 60 Olympia Avenue in Woburn, Massachusetts (the Site) during the fifty-first progress report period (August 21, 2008 to September 21, 2008). This report was prepared in accordance with the June 21, 2004 United States Environmental Protection Agency (USEPA) Administrative Order on Consent for Removal Action (CERCLA Docket No. 01-2004-0059; the "Order"). The report was prepared by GeoInsight at the request of Olympia Nominee Trust, current owner of the 60 Olympia Avenue property.

### **Permanganate Monitoring**

During the August 2008 permanganate monitoring event, permanganate was observed in the monitoring wells that historically did not contain permanganate, including MW-204D, MW-205D, and MW-206D. Observation of permanganate in these wells indicated that direct push technologies were effective in distributing sodium permanganate into the silt unit during the May 2008 injection event.

Permanganate was observed at injection well locations during this reporting period, except for injection well A5. Reacted permanganate was observed in trench T5. Permanganate was not observed at injection trench locations T3 and T4 during this monitoring period. Trench locations T1 and T2 were dry during this monitoring period. Permanganate was observed in well MW-217M outside of the treatment cell.

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### Ground Water Sampling Event

Activities associated with the focused ground water sampling event performed on August 6, 2008 were summarized in the fiftieth progress report submitted on September 2, 2008. Six monitoring wells inside the treatment cell were included in the event. During the August 2008 sampling event, ground water samples were collected from wells in the vicinity of the focused permanganate injection event that was performed in May 2008.

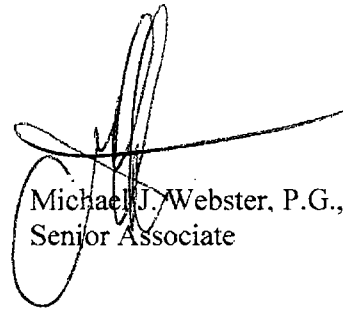
Preliminary laboratory reports associated with the August 2008 focused sampling event are currently being validated and reviewed and will be discussed in a subsequent progress report.

Please contact us at 978-692-1114 if you have questions regarding the content of this progress report.

Sincerely,  
GEOINSIGHT, INC.

*Roné & Egerton*  
FOR

Christene A. Binger  
Senior Hydrogeologist

  
Michael J. Webster, P.G., L.S.P.  
Senior Associate

cc: Chub Whitten, Olympia Nominee Trust  
David P. Rosenblatt, Esq., Burns & Levinson LLP

Attachments:  
Work Plan Implementation Schedule



**WORK PLAN IMPLEMENTATION SCHEDULE**  
**60 OLYMPIA AVENUE**  
**WOBURN, MASSACHUSETTS**

<b>TASK DESCRIPTION</b>	<b>SCHEDULE</b>
<b>Permits</b> Submit permit application to Massachusetts Water Resources Authority (MWRA) to drive sheet pile and continue construction activities. MWRA Approval	Completed October 2004  October 26, 2004
<b>Site Preparation</b> Bridge Enhancements for Sheet Pile Crane Brush Clearing	Completed November 2004
<b>Sheet Pile Installation</b>	Completed January 2005
<b>Injection Well and Trench Installation</b> Trenching Horizontal Wells (5 days) Drilling Vertical Injection Wells (10 days)  Monitoring Well Installation Additional Injection Wells F-5, F-6, F-7 K-Series	Completed January 2005   Completed February 2005  Completed August 2005 Completed May 2007
<b>Installation of Liquid Permanganate Delivery System</b> Staging Area for Permanganate Storage  Delivery of Permanganate (70 drums total) Delivery of Permanganate (70 drums total) Delivery of Permanganate (21 drums total) Delivery of Permanganate (4 drums total) Delivery of Permanganate (8 drums total)	Completed May 2005  May 11, 2005 and June 10, 2005 October 7, 2005 and October 28, 2005 December 2, 2005 September 5, 2007 May 19, 2008
<b>Up to 20 Injection Events - Dependent on Site Monitoring</b> (1,000 gallons of 40 percent NaMnO <sub>4</sub> per event)	1 <sup>st</sup> Injection: September 1, 2005 (Trenches) 2 <sup>nd</sup> Injection: September 15, 2005 (Trenches) 3 <sup>rd</sup> Injection: September 29, 2005 (Wells) 4 <sup>th</sup> Injection: October 13, 2005 (Trenches) 5 <sup>th</sup> Injection: November 3, 2005 (Wells) 6 <sup>th</sup> Injection: November 10, 2005 (Trenches) 7 <sup>th</sup> Injection: November 22, 2005 (Wells) 8 <sup>th</sup> Injection: December 16, 2005 (Wells/Trenches)



**WORK PLAN IMPLEMENTATION SCHEDULE  
60 OLYMPIA AVENUE  
WOBURN, MASSACHUSETTS**

<b>TASK DESCRIPTION</b>	<b>SCHEDULE</b>
<b>Focused Injection Events</b> (220 gallons of 40 percent NaMnO <sub>4</sub> )  (3,200 gallons of 5 percent NaMnO <sub>4</sub> )	9 <sup>th</sup> Injection: September 6, 2007 (Wells)  10 <sup>th</sup> Injection: May 20 to 22, 2008 (Direct Push/Wells/Trench)
<b>Ground Water Monitoring</b> 2005 Baseline Comprehensive Sampling Event Focused Sampling Events  2006 Comprehensive Sampling Event Focused Sampling Events  2007 Comprehensive Sampling Event Focused Sampling Event  2008 Comprehensive Sampling Event Focused Sampling Event	April 13 and 14, 2005 September 13, 2005 January 11, 2006 February 9, 2006 March 10, 2006  April 24, 25, and 26, 2006 July 19, 2006 August 31, 2006 September 28, 2006 October 30, 2006 December 14, 2006 March 28, 2007  April 24, 25, 26, 2007 November 5, 2007  April 22, 23, and 24, 2008 August 6, 2008
<b>Additional Assessment Activities included in November 28, 2006 Scope of Work</b>  Subsurface Investigation Activities  Focused Ground Water Sampling Event	  May 14 to 18, 2007  June 18, 2007
<b>Additional Assessment Activities included in March 14, 2008 Scope of Work</b>  Subsurface Investigation Activities	  June 9 to 11, 2008